



**LINK ELECTRONICS, INC.**

## Y/C DISTRIBUTION AMP MODEL PVA-851



MADE IN THE USA



### FEATURES

- ◆ 16 Outputs
- ◆ Y & C Gain
- ◆ Bandwidth 30MHz
- ◆ Input Terminate Switch
- ◆ 4-Pin Mini DIN Connectors

The PVA-851 is a self-contained Y/C Video Distribution Amplifier. It's input is normally high-impedance, looping, but may be terminated using a rear panel push button switch. All inputs and outputs use a standard four pin Mini-DIN connectors. Front panel independent gain controls for Luminance (Y) and Chrominance (C) allow for precise adjustment.

The PVA-851 is an ideal device for duplication in a Y/C environment. One looping input and 16 outputs of Y/C are provided through Mini-DIN's.

The video performance of the PVA-851 is outstanding with differential phase and gain errors of less than 0.1° and 0.1%, respectively. High-performance CMF op-amps in the video path allow the PVA-851 to combine wide bandwidth of 30MHz with low noise of greater than 68dB. The power consumption is less than 8.0VAR.

The Y/C distribution amplifier is housed in a rugged 1RU chassis and is backed by LINK's ten-year warranty.

# MODEL PVA-851 Y/C DISTRIBUTION AMP

## SPECIFICATIONS

### INPUT:

Video Level: ..... 1.0Vpp  $\pm$ 3dB  
Impedance: ..... 20k $\Omega$  or 75 $\Omega$ , selectable  
Configuration: ..... Single-ended, AC coupled  
Cross Talk ..... >65dB @3.58MHz  
..... >55dB @10.0MHz

### OUTPUTS:

Number ..... Sixteen (16) Y/C  
Level ..... Unity Gain, +3dB, -1.5dB  
Impedance ..... 75 $\Omega$ ,  $\pm$ 1%  
Frequency Response: .....  $\pm$ 0.1dB to 10MHz  
..... -1.0 @ 20MHz  
..... -3.0 @ 30MHz  
Differential Gain ..... <0.1%  
Differential Phase ..... <0.1 $^\circ$   
Propagation Delay ..... 17ns  
Hum and Noise ..... >68dB  
DC Offset ..... <0.2Vdc  
Field Rate Tilt ..... <0.2%

### ENVIRONMENTAL:

Temperature: ..... 0 $^\circ$  to 50 $^\circ$  C (ambient)  
Humidity: ..... 10% to 90% non-condensing  
Power: ..... 8VAR  
AC Input: ..... 120/240VAC ( $\pm$ 10%) 50/60Hz

### MECHANICAL:

Height: ..... 1.75 inches  
Width: ..... 19 inches  
Depth: ..... 8 inches  
Weight: ..... 4.75 Lbs.



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